@5-90

08 2

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/668,558B

DATE: 09/13/2001
TIME: 10:26:08

Input Set : D:\Seqlist.txt
Output Set: N:\CRF3\09132001\I668558B.raw

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 5 <110> APPLICANT: Yen, Frances
 6        Erickson, Mary Ruth
 7        Fruebis, Joachim
 8        Bihain, Bernard
10 <120> TITLE OF INVENTION: Methods Of Screening For Compounds That Modulate the
11        LSR-Leptin Interaction and Their Use in the Prevention
12        and Treatment of Obesity-Related Diseases
14 <130> FILE REFERENCE: 70.US2.REG
16 <140> CURRENT APPLICATION NUMBER: 09/668,558B
17 <141> CURRENT FILING DATE: 2000-09-22
19 <150> PRIOR APPLICATION NUMBER: 60/155,506
20 <151> PRIOR FILING DATE: 1999-09-22
22 <160> NUMBER OF SEQ ID NOS: 106
24 <170> SOFTWARE: Patent.pm
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 23187
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapiens
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33 <222> LOCATION: 2001..2356
34 <223> OTHER INFORMATION: exon1
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38 <222> LOCATION: 3540..3884
39 <223> OTHER INFORMATION: exon2
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43 <222> LOCATION: 12163..12282
44 <223> OTHER INFORMATION: exon3
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49 <223> OTHER INFORMATION: exon4
51 <220> FEATURE:
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53 <222> LOCATION: 15765..15911
54 <223> OTHER INFORMATION: exon5
56 <220> FEATURE:
57 <221> NAME/KEY: exon
58 <222> LOCATION: 19579..19752
59 <223> OTHER INFORMATION: exon6
61 <220> FEATURE:
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63 <222> LOCATION: 19899..19958
64 <223> OTHER INFORMATION: exon7
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P. 5

RAW SEQUENCE LISTING   DATE: 09/13/2001
PATENT APPLICATION: US/09/668,558B   TIME: 10:26:08

Input Set : D:\Seqlist.txt
Output Set: N:\CRF3\09132001\I668558B.raw

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77 <221> NAME/KEY: exon
78 <222> LOCATION: 21047..21187
79 <223> OTHER INFORMATION: exon10
81 <220> FEATURE:
82 <221> NAME/KEY: polyA_signal
83 <222> LOCATION: 21168..21173
84 <223> OTHER INFORMATION: AATAAA
86 <220> FEATURE:
87 <221> NAME/KEY: misc_feature
88 <222> LOCATION: 1..2000
89 <223> OTHER INFORMATION: potential 5'regulatory region
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92 <221> NAME/KEY: misc_feature
93 <222> LOCATION: 22324..23187
94 <223> OTHER INFORMATION: homology with USF2 gene in ref: embl Y07661
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99 <223> OTHER INFORMATION: upstream amplification primer 17-2
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103 <222> LOCATION: 1047..1068
104 <223> OTHER INFORMATION: downstream amplification primer 17-2 , complement
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108 <222> LOCATION: 946..963
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113 <222> LOCATION: 1385..1402
114 <223> OTHER INFORMATION: downstream amplification primer 99-4576 , complement
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138 <222> LOCATION: 2036..2053
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143 <222> LOCATION: 2563..2580
144 <223> OTHER INFORMATION: downstream amplification primer 99-4557 , complement
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152 <221> NAME/KEY: primer_bind
153 <222> LOCATION: 2483..2500
154 <223> OTHER INFORMATION: downstream amplification primer 9-1 , complement
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157 <221> NAME/KEY: primer_bind
158 <222> LOCATION: 2470..2489
159 <223> OTHER INFORMATION: upstream amplification primer 9-21 , complement
161 <220> FEATURE:
162 <221> NAME/KEY: primer_bind
163 <222> LOCATION: 2062..2081
164 <223> OTHER INFORMATION: downstream amplification primer 9-21
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167 <221> NAME/KEY: primer_bind
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169 <223> OTHER INFORMATION: upstream amplification primer 9-3
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174 <223> OTHER INFORMATION: downstream amplification primer 9-3 , complement
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178 <222> LOCATION: 3775..3792
179 <223> OTHER INFORMATION: upstream amplification primer 99-4558
181 <220> FEATURE:
182 <221> NAME/KEY: primer_bind
183 <222> LOCATION: 4336..4356
184 <223> OTHER INFORMATION: downstream amplification primer 99-4558 , complement
186 <220> FEATURE:
187 <221> NAME/KEY: primer_bind
188 <222> LOCATION: 4902..4920
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/668,558B

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Input Set : D:\Seqlist.txt
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189 <223> OTHER INFORMATION: upstream amplification primer 99-14419 , complement
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197 <221> NAME/KEY: primer_bind
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202 <221> NAME/KEY: primer_bind
203 <222> LOCATION: 7072..7089
204 <223> OTHER INFORMATION: downstream amplification primer 99-4577 , complement
206 <220> FEATURE:
207 <221> NAME/KEY: primer_bind
208 <222> LOCATION: 7995..8012
209 <223> OTHER INFORMATION: upstream amplification primer 99-4559
211 <220> FEATURE:
212 <221> NAME/KEY: primer_bind
213 <222> LOCATION: 8576..8593
214 <223> OTHER INFORMATION: downstream amplification primer 99-4559 , complement
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218 <222> LOCATION: 9622..9639
219 <223> OTHER INFORMATION: upstream amplification primer 99-3148
221 <220> FEATURE:
222 <221> NAME/KEY: primer_bind
223 <222> LOCATION: 10023..10040
224 <223> OTHER INFORMATION: downstream amplification primer 99-3148 , complement
226 <220> FEATURE:
227 <221> NAME/KEY: primer_bind
228 <222> LOCATION: 9964..9981
229 <223> OTHER INFORMATION: upstream amplification primer 99-4560
231 <220> FEATURE:
232 <221> NAME/KEY: primer_bind
233 <222> LOCATION: 10546..10563
234 <223> OTHER INFORMATION: downstream amplification primer 99-4560 , complement
236 <220> FEATURE:
237 <221> NAME/KEY: primer_bind
238 <222> LOCATION: 10996..11015
239 <223> OTHER INFORMATION: upstream amplification primer 99-14411 , complement
241 <220> FEATURE:
242 <221> NAME/KEY: primer_bind
243 <222> LOCATION: 10492..10512
244 <223> OTHER INFORMATION: downstream amplification primer 99-14411
246 <220> FEATURE:
247 <221> NAME/KEY: primer_bind
248 <222> LOCATION: 11972..11990
249 <223> OTHER INFORMATION: upstream amplification primer 99-4561

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/668,558B

DATE: 09/13/2001
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Input Set : D:\Seqlist.txt
Output Set: N:\CRF3\09132001\I668558B.raw

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258 <222> LOCATION: 12005..12023
259 <223> OTHER INFORMATION: upstream amplification primer 9-4
261 <220> FEATURE:
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263 <222> LOCATION: 12417..12436
264 <223> OTHER INFORMATION: downstream amplification primer 9-4 , complement
266 <220> FEATURE:
267 <221> NAME/KEY: primer_bind
268 <222> LOCATION: 14102..14119
269 <223> OTHER INFORMATION: upstream amplification primer 99-4562
271 <220> FEATURE:
272 <221> NAME/KEY: primer_bind
273 <222> LOCATION: 14543..14563
274 <223> OTHER INFORMATION: downstream amplification primer 99-4562 , complement
276 <220> FEATURE:
277 <221> NAME/KEY: primer_bind
278 <222> LOCATION: 14431..14448
279 <223> OTHER INFORMATION: upstream amplification primer 99-3149
281 <220> FEATURE:
282 <221> NAME/KEY: primer_bind
283 <222> LOCATION: 14848..14865
284 <223> OTHER INFORMATION: downstream amplification primer 99-3149 , complement
286 <220> FEATURE:
287 <221> NAME/KEY: primer_bind
288 <222> LOCATION: 14748..14767
289 <223> OTHER INFORMATION: upstream amplification primer 9-22
291 <220> FEATURE:
292 <221> NAME/KEY: primer_bind
293 <222> LOCATION: 15198..15218
294 <223> OTHER INFORMATION: downstream amplification primer 9-22 , complement
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297 <221> NAME/KEY: primer_bind
298 <222> LOCATION: 14748..14767
299 <223> OTHER INFORMATION: upstream amplification primer 9-24
301 <220> FEATURE:
302 <221> NAME/KEY: primer_bind
303 <222> LOCATION: 15333..15351
304 <223> OTHER INFORMATION: downstream amplification primer 9-24 , complement
306 <220> FEATURE:
307 <221> NAME/KEY: primer_bind
308 <222> LOCATION: 15002..15019
309 <223> OTHER INFORMATION: upstream amplification primer 9-5
311 <220> FEATURE:
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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

9/13/01

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/668,558B

DATE: 09/13/2001
TIME: 10:26:09

Input Set : D:\Seqlist.txt
Output Set: N:\CRF3\09132001\I668558B.raw

```
L:1460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:1462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:1463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:1587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:1596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:1642 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:1854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:2105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:2114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:2585 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:2974 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:14
L:4421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:4437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:4464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95
L:4502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98
L:4518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99
L:4534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100
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